\$/089/60/009/005/012/020 B006/B070

AUTHORS:

Krasnousov, L. A., Zimakov, P. V., Volkova, Ye. V.

TITLE:

Radiochemical Chlorination of Benzene

PERIODICAL:

Atomnaya energiya, 1960, Vol. 9, No. 5, pp. 412 - 414

TEXT: The radiative chlorination of benzene was studied under standard conditions in order to study the possibility of using nuclear radiations for the production of <a href="https://www.hest.org/hest.

Card 1/3

Radiochemical Chlorination	of Benz		089/60/009/0 06/в070	005/012/020	
Concentration chlorine/100g C6H6	t°c	γ-Isomer %	α-Isomer	Wean energy ev	
Jltraviolet (3650A)14.0 3: (3.48 rad/sec,	40	11.3	73.8	3 ~ 5	/
total: 2.4·10 ⁴ rad)14.0 v: (6.75 rad/sec,	40	10.2	78.5	0.4-106	•
total: 2.4,10 ⁴ rad)14.0	40	11.8	83.5 1.	2-106-1.3-106	
on the contrary, the content only 63.7%. The chlorination	n waa n	ANA FAR NUM	تبييات المسلمة ومستح	4 4 4	
ion in CCl_A . The β source γ	ARR DLV	∨, and the j	y source, co	Tra The radio.	
chemical yield of the reacti strongly dependent on the pu ally pure benzene is used, to yielded 9000 molecules per to proportional to the square of	ion was urity of the yiel 100 ev. of radia	853,000 per f the starti ld is only 1 The radiati	r 100 ev; it ing material 130,000. The ive chlorina	was, however, If industri ultraviolet tion rate is	
chemical yield of the reacti strongly dependent on the pu ally pure benzene is used, to yielded 9000 molecules per to	ion was urity of the yiel 100 ev. of radia	853,000 per f the starti ld is only 1 The radiati	r 100 ev; it ing material 130,000. The ive chlorina	was, however, If industri ultraviolet tion rate is	

Radiochemical Chlorination of Benzene

S/089/60/009/005/012/020 B006/B070

Radiative chlorination of benzene is possible also at low temperatures in solid phase; the total yield increases with decreasing temperature down to -80° C. Chlorination remains incomplete for temperatures still lower (at -120° C, the content of tetrachlorocyclohexane reaches 58%). The effect of temperature on the isomeric composition of HCCH was also studied. While the total yield of HCCH has its maximum at -80° C, the content of α -isomer decreases from 83.5 to 38% for the fall of temperature from 40 to -190° C. The yield of γ -isomer also depends on the concentration of chlorine. The formation probabilities of α -, β -, γ -, δ -, and ξ -isomers were calculated to be 27.8, 4.63, 25.0, 26.0, and 16.7%. respectively. There are 4 figures, 1 table, and 3 references: 1 Soviet, 1 German, and 1 Polish.

SUBMITTED: March 31, 1960

Card 3/3

S/079/60/030/007/035/039/XX B001/B066

11.2130

AUTHORS:

Englin, M. A., Makarov, S. P., Dubov, S. S., Krasnousov,

L. A., and Yakubovich, A. Ya.

TITLE:

Fluorination of the Complex of Acetonitrile With Boron Tri-

fluoride

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 7, pp. 2371-2374

TEXT: On the basis of Refs. 1-5, the above reaction was carried out with dilute fluorine in a copper reaction vessel at room temperature. NF₃, CH₃CF₃ CHF₂CN, and two new products were separated by distillation (one of them boiled at -25-24.5°C, the other at -4.8-4.7°C) in addition to a considerable quantity of unchanged acetonitrile. The first product, a colorless gas, is completely decomposed by alcoholic alkali lye, does not separate any iodine from alcoholic potassium iodide solution, is easily soluble in organic solvents and difficultly in water. Its elementary composition and molecular weight correspond to the formula C₂H₂NF₃. Its structure, which is probably due to the fluorination of acetonitrile, can be possibly represented by Card 1/3

Fluorination of the Complex of Acetonitrile S/079/60/030/007/035/039/XX With Boren Trifluoride S/079/60/030/007/035/039/XX

the isomeric formulas (I), (II), (III):

CH₂=CFNF₂, CH₂FCF=NF, CH₂CF₂
(I) (II) NF (III).

To confirm the structure of this product its infrared spectrum was examined. There is a band characteristic of the C-H bond. One band group is caused by vibrations of the C-F bond. An intense band may be assigned to stretching vibrations of the N-F bond. These results and further spectroscopic data (Ref. 6) indicated that the structures (I) and (II) of the product CoHoNF, are not confirmed spectroscopically, which fact speaks in favor of formula (III). This assumption is also supported by the presence of two bands in the infrared, which may be regarded as deformation vibrations of a three-membered ring. The structure of the products discussed may be that of fluorinated ethylene imine. The second product with the molecular weight 117 does not decolorize the aqueous-alkaline KMnO solution. Its molecular weight and elementary composition correspond to the formula $C_2H_3NF_4$. In its infrared spectrum there are absorption bands which may be assigned to the N-F and C-H bonds, and a band group appears which is due to C-F vibrations. All these properties indicate Card 2/3

Fluorination of the Complex of Acetonitrile S/079/60/030/007/035/039/XX With Boron Trifluoride S/079/60/030/007/035/039/XX

that the structure suggested for the product is that of α,α,N,N-tetra-fluoro ethyl amine. On fluorination of the complex CH₃CN·BF₃ with elementary fluorine, 36% of acetonitrile remains unchanged. The yields of the fluorination products referred to the initial acetonitrile are the following: for NF₃ - 6.5%, CH₃CF₃ - 5%, CH₂CF₂NF - 3%, CH₃CF₂NF₂ - 2.5%, CH₂CN - 1%. There are 12 references: 1 Soviet, 7 US, 3 British, 3 German, 1 French, and 1 Belgian.

SUBMITTED: July 1, 1959

Card 3/3

8/844/62/000/000/074/129 D214/D307

AUTHORS: Krasnousov, L. A., Zimakov, P. V. and Volkova, Ye. V.

TITLE: Some characteristics of the radiochlorination of benzene

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962,

The initiation of the chlorination of ${^{\text{C}}}_6{^{\text{H}}}_6$ by γ , ß, ir and TEXT: uy radiation was studied. Irradiation of chlorine in benzene led to the dissociation of ${
m Cl}_2$. Since ${
m C}_6{
m H}_6$ is a good energy carrier, this additional energy causes the intermediate chlorination products to isomerize, thus changing the isomeric composition of the final product - hexachlorocyclohexane. With f rays, initiation occurs throughout the solution while uv and B rays are absorbed in the outside layers of the solution. Regardless of the radiation used, the q-isomer is the main product; its amount depends on the type of radiation (rays - 83.3%; ß rays - 78%; uv - 73.8%; ir 67.0%). The per-

Card 1/2

Some characteristics of ...

\$/844/62/000/000/074/129 D214/D30?

centage of the fisomer depends to a lesser extent on the type of radiation used and increases as the temperature is lowered. Radio-chlorination also occurs in the solid phase but only to 1,2-dichlorocyclohexadiene-3,5. The reaction is progressive and is not a free radical process. The suggested mechanism is as follows: Cl_2 dissociates into Cl^+ , Cl^+ then reacts with C_6H_6 to give $\text{C}_6\text{H}_6^4\text{Cl}_1$, which combines with Cl^- to form $\text{C}_6\text{H}_6^6\text{Cl}_2$. This is repeated until $\text{C}_6\text{H}_6^6\text{Cl}_6$ is obtained. There are 2 figures and 1 table.

Card 2/2

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000826120

	ACC NRI ATGO34055 (A) SOURCE CODE: UR/0000/66/000/000/0109/0114	
	AUTHOR: Volkova, Yo. V.; Zimakov, P. V.; Fokin, A. V.; Sorokin, A. D.; Belikov, V. H.; Bulygian, L. A.; Skobina, A. I.; Krasnousov, L. A.	
·	ORG: none	
	TITIE: Radiation polymerization of fluoroclefins	
	SOURCE: Simporium po radiatsionnoy khimii polimerov. Moscow, 1964. Radiatsionnaya khimiya polimerov (Radiation chemistry of polymers); doklady simporiuma. Moscow, Izd-vo Nauka, 1966, 109-114	
	TOPIC TAGS: radiation polymerization, halogenated organic compound, polymerization kinetics, reaction mechanism	
	ABSTRACT: Results of the authors' previously published studies on radiation polymerization of unsaturated fluorine-containing compounds are reviewed, explaining cortain characteristics of the process associated with the effects of the olectronegative fluorine atom, heterogeneous process conditions and radiolysis	
	products. Tetrafluoroethylene is distinguished by its rapid polymerization under ionizing irradiation, with complete monomer conversion in three hours at ~78°C in liquid phase polymerization with 10 rad/sec radiation, and in ten minutes at +20°C. The yield of 7 x 10° molec/100ev is the highest known for radiation chemical reactions.	
	Cord 1/2	

	ve subst	titution o		rino atoms 1				or by roisobutylen	
will not	polymor.	izo. Thus	the rate	of radiation	n polymo	rization	docroas		1
CF2 = C(C under het	F ₃) ₂ .	A kinotics ous condit	study show ions prodec	ed that the	o polymo iical mo	rization chanism,	of totra	arluoroethýl kinetics ar	ene
The offec	t of to	nporature	on radiation	on bulk pol	ymerizat	ion rates	of	lysis produc	
increased	toam	aximum at	certain to	mperatures:	these	maxima an	d the c	owed the rat	
-9 kcal/m	ol: 70°	C at 6 rad	/sec18.	rad/sec, / keal/mol,	respect	ively. S	econdar	y processes	
2 figures			te start to	occur at 1	nigher t	omperatur	es. Cr	ig. art. has	"
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MASSICUSCVA, A.S., Joned Took Sci--(char) "Study of basic technical Matricel insulation earlies of Massacline communities of Accession Production of Massacline Community of Production USSR.

position." Jos, 1958. 21 pp. with gradue (Kin of High r Education USSR.

ton Order of Lenin Checico-Technological Inst in D.T. Len slayev), 150 comics (F1,48-58, 104)

BALKEVICH, V.L.; KRASNOUSOVA, A.S.

Dependence of certain electrophysical properties on the Al₂O₃ content in materials of mullite-corundum composition. Trudy MKHTI no.37:157-165 '62. (MIRA 16:12)

KRASNOUSOVA, A.S., inzh.

Studying the effect of Al203 content of fully sintered mullitborundum ceramics on their electrical, mechanical and thermal properties. Trudy MIStroikeramiki no.13:103-124 '58.

(MIRA 12:5)

(Ceramic materials-Testing) (Electric insulators and insulation) (Alumina)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826120

ACC NR. AP7006120

SOURCE CODE: UR/0209/67/000/001/0092/0094

AUTHOR: Krasnov, A. (Colonel; Docent; Candidate of military sciences)

CRG: none

TITLE: Means of operation and tactics of U. S. aerial reconnaissance

SOURCE: Aviatsiya i kosmonavtika, no. 1, 1967, 92-94

TOPIC TAGS: aerial reconnaissance, reconnaissance aircraft

ABSTRACT: Quoting from "Aviation Week," the author discusses the methods and aircraft used by the U.S. in aerial reconnaissance, with particular emphasis on the war in Vietnam, where the desired results have not been obtained. Despite extensive efforts, aerial reconnaissance has been unable to discover the dislocation and regrouping of the Vietcong, witness the sudden blows against the bases of the aggressors. [NC]

SUB CODE: 01/ SUBM DATE: none/ ATD PRESS: 5116

Card 1/1

UDC: none

L 44385-66

(A,N) SOURCE CODE: UR/9008/65/000/301/0003/0003 ACC NRI

AUTHOR: Krasnov, A. (Colonel, Candidate of military sciences)

ORG: none

TITLE: Difficulties in aerial resonnaissance

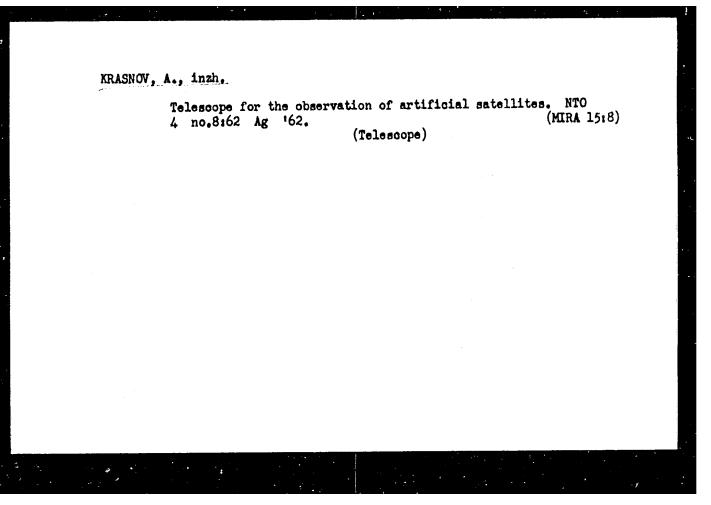
SOURCE: Krasnaya zvezda, 23 Dec 65, p. 3, col. 5-7

TOPIC TAGS: aerial reconnaissance, target recognition, target discrimination, target data analysis

ABSTRACT: The author of the article reviews the opinions of western military specialists on the problems and limitations of aerial reconnaissance in modern warfare. The article stresses the limitations of purely mechanical means of aerial reconnaissance and the continuing need for human initiative and intelligence, especially in unforeseen situations, in cases of incomplete data on the adversary, or of identical targets. Aerial reconnaissance can be misled more easily if target identification and subsequent processing of the data obtained are based solely on definite, formally accepted indications. The enemy can camouflage such indications

Card 1/2

L 44385-66 ACC NR: AN6012194			
and thus conceal important o	bjectives, or on the o	ther hand, he can	imitate them
and create a whole series of information, adds up, even i	false ones. A recons	naissance officer w at number of differ	ent factors and
gimultaneougly acquires defi	nite experience. He	alone can determir	ie the relative 📇 📗
importance and significance	of objectives similar	as to location, of	type of activity,
and of the relation of these is of reconnaissance data canno	ot be expressed in log	<u>ical patterns or qu</u>	antitatively
(oral reports of crews, radio	o-intercepted informa	ition, etc). Such i	nformation must
therefore be processed by he	and before being fed to	o the computer.	[GC]-,
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From a "shalf" to "TU-124" the jet plane. IUn.tekn. 7 ro.219,14,29,44,47,58,64 F *63.

(Airplanes)

PA 153T25

KRASNOV, A. A.

USSR/Engineering - Electrification Nov 49
Agriculture, Electrification
of

"Complex Electrification of Agricultural Production,"
A. A. Krasnov, Cand Tech Sci, All-Union Inst for
Electrification of Agr, 7 pp

"Elektrichestvo" No 11

Examines features and explains importance of electrification in development of Soviet agriculture. Indicates factors characterizing its effectiveness. Examples show how to evaluate complex electrification for specific cases. Submitted 17 Aug 49.

153T25

MRASNOV, A.A.

PHASE I BOOK EXPLOITATION

SOV/4544

- Ivanov, V.V., V.Yu. Volgin, A.A. Krasnov, and N.V. Lizunov
- Talliy; osnovnyye cherty geckhimii i mineralogii, geneticheskiye tipy
 mestorozhdeniy i geokhimicheskiye provintsii (Thallium; Basic Features of Its Geochemistry and Mineralogy, Genetic Types of Deposits, and Geochemical Provinces) Moscow, Izd-vo AN SSSR, 1960. 154 p. Errata slip inserted. 3,000
- Sponsoring Agency: Akademiya nauk SSSR. Institut mineralogii, geokhimii i
- Chief Ed.: K.A. Vlasov, Corresponding Member; Resp. Ed.: A.A. Beus, Doctor of Geological and Mineralogical Sciences; Ed. of Publishing House; S.M. Simkin; PURPOSE:
- This book is intended for geochemists and mineralogists.
- COVERAGE: This book is the first Soviet publication on the geology and geochemistry of thallium. Much of the data published here was accumulated by the IMGRE AN SER - Institute mineralogii, geokhimii i kristallokhimii redkikh elementov AN SSSR Card 1/4

Thallium: Basic Features of its Geochemistry (Cont.)

SOV/4544

(Institute of the Mineralogy, Geochemistry and Crystallochemistry of Rare Earth Elements, AS USSR) in the process of studying the rare earth metal deposits of the Soviet Union. This institute carried out the analysis for thallium content of a great number of types of minerals and ores (especially the sulfides and the sulfo salts) from many deposits of different genesis. Data are given on tens of thousands of semiquantitative and quantitative determinations of thallium in monomineral, lump and average ore samples made at the spektral nava laboratoriya (Spectral Analysis Laboratory) of the institute. The monomineralic fractions were sorted out with a type MBS-1 binocular microscope, and when necessary, the selected fractions were microscopically checked for purity. The spectral determinations of thallium were made by N.V. Lizunov and L.I. Sazhina, and the chemical and polarographic determinations by A.A. Rozbianskaya, Z.M. Piskova, and Ye.N. Zakharova. The following sections of the book were composed by the authors as indicated: Introduction by V.V. Ivanov, Ch. I by V.Yu. Volgin and V.V. Ivanov, Ch. II by A.A. Krasnov and V.Yu. Volgin, Ch. III by V.Yu. Volgin and V.V. Ivanov (the part on the distribution of thallium in rock was written by A.A. Krasnov), Chs. IV and V by V.V. Ivanov. (V.Yu. Volgin collaborated in writing the section on the "Distribution of thallium in certain foreign deposits"). The spectral analysis methods used were described by N.V. Lizunov, and the chemical methods for the determination of thallium by A.A. Rozbianskaya and Z.M. Piskova. The authors thank G.B. Kosov for supplying material on the thallium economy, and the following for helping prepare the manuscript: A.A. Beus,

Card 2/

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826120

"APPROVED FOR RELEASE: Monday, July 3	1, 2000 CIA-RDP86-005	13R000826120
Those	2 · ·	
Thallium: Basic Features of its Geochemistry and V.V. Shcherbina. There extra K.A. Nanata		
N.I. Vlodavets. K. B. Gacchemiat.		
N.I. Vlodavets, K.F. Kuznetscr, K.A. Nenadkev and V.V. Shcherbina. There are 265 references. TABLE OF CONTENTS: Introduction Ch. 1. Some Process.	(Cont.)	
TABLE OF CONTENTS:	1ch, F.I. Vol:	Ā
Introduction 2 Supple	ch, and 1 Hum 53 English Kales	nov.
Ch. 1. Sone Parisical	mgarlan, 45	
Ch. 2. Minerals of Thellium Ch. 3. Geschief		
Ch. 1. Some provided and Chemical Properties of The Ch. 2. Minerals of Thellium Ch. 3. Geochemistry of Thellium Basic characteristics of Thellium Various miners:	ailium 3	
Thallium forms forms	13	
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KRASNEV

AUTHOR:

Sergeyev, A. S., Docent

105-58-4-32/37

TITLE:

Dissertations (Dissertateii)

PERIODICAL:

Elektrichestvo, 1956, Mr 4, pp. 91 - 92 (USSR)

ABSTRACT:

For the Degree of Candidate of Technical Sciences, 1947-1954. At the All Union Institutes for the Mechanization and Electrification of Agriculture (Vsesoyusnyye instituty mekhanisatsii i elektrifikatsii sel'akogo khosyayatva)

Ye. Kulik, on July 1, 1947: " Electric Illumination of Agricultural Night Work in the Fields". Official opponents were: Doctor of Technical Sciences Professor S. P. Vostroknutov, Candidate of Technical Sciences B. I. Lugovskoy and

Candidate of Agricultural Sciences N. A. Saganov.

A. A. Krasnov, on August 5, 1947: " The Structure of the Energy Consumption and the Ways of its Rationalization in the Case of Complexe Electrification of the Kholkhoses by Small Electric Power Stations". Official opponents were: Doctor of Technical Sciences Professor M. G. Yevreinov and Candidate of Agricultural Siences I. A. Budzho.

Card 1/5

Kh. T. Tasbulatov, on May 24, 1949: " Rational Electric Energy Distribution Systems in the Agricultural Areas of the Kazakh

105-50-4-32/37

SSR on the Dasis of Their Energetic Classification". Official opponents were: Professor V. M. Stepanov and Candidate of Agricultural Sciences A. G. Zakharin. L. G. Ribochiy, on February 13, 1951: " Investigation of the Operation Process in Magnetic Ignitors of Tractors When Starting the Engines ". Official opponents were: Doctor of Agricultural Sciences Professor I. T. Musnetsov and Candidate of Technical Sciences Docent Tu. M. Galkin. A. P. Zlatkovskiy, on February 27, 1951: "The Carrying out of the Compound Excitation of Alternators in Electric Power Stations in the Country". Official opponents were: Doctor of Technical Sciences Professor A. G. Iosif'yan, Professor V. H. Stepanov and Candidate of Technical Sciences S. B. Yuditshiy. D. M. Bystritskiy, on June to, 1952: " Problems of the Synchronisation of Generators in Wind-Driven Rural Electric Power Stations Operating Within the Energy System". Official opponents were: Professor S. A. Burgmehev and Doctor of Technical Solewees Professor Ye. H. Paleyev. P.V. Smirnov, on June 19, 1951: " Mill-Velta e Dispatch Consumication Through Rural Mich-Voltage Sugaly Lines of

Card 2/5

105-50-4-32/37

Electric Systems". Official opposents were:Professor S. A. Burguellev, Doctor of Technical Sciences Professor H. A. Sanonov and Cantidate of Technical Sciences H. A. A. I. Yakoba, on June 19, 1951: " Investigation of the Electromagnetic Processes of a Transformer Stabilizer With Three Windings for Self-Controlled Alternators of Rural Electric Power Stations". Official opponents were: Doctor of Technical Sciences Profescor A. M. Larionov and Candidate of Technical Sciences A. M. Utavakiy. 2. N. Urvachev, on April 29, 1952: "Investigation of the Electrical Characteristics of Stationary Agricultural Machines With Electric Drive". Official opponents were: Doctor of Technical Sciences Professor I. A. Sazonov, Candidate of Technical Sciences Docent G. I. Nacirov and Candidate of Technical Sciences V. S. Kraenov. B. V. Uskov, on June 17, 1952: "Inventigation of the Earthening of Electro-Tractor Appropriates". Official opponents were: Professor S. A. Burguchev and Doctor of Technical Sciences

Card 3/5

105-58-4-32/37

H. E. Eul', on November 10, 1952; " Problems of the Automatic Reconnection in Rural Electric Pl nto". Official oppoments were: Doctor of Technical Sciences Professor M. F. Poyarhov and Doctor of Technical Sciences Professor L. Ye. Ebin.

Ye. H. Lebedeva, on June 9,1993: " The Use of Non-Libear Elements in Automation Schemes of Rural Electric Plants and the Elaboration of a Contactless Voltage Relay". Official opponents were: Doctor of Technical Sciences Professor M. A. Babikov and Prefessor V. M. Stepanov. S. Ya. Tayuel', on March 30, 1954: "Investigation of the Stability of Parallel Operation of a Wind Driven Electric Power Station With Idle Accumulator in a System With Comparative Capacity". Official opposents were: Doctor of Technical Sciences Professor Ye. I. Fateyev, Candida'e of Technical Sciences D. N. Bystritship and Caudidate of Technical Sciences V. R. Seltorov. G. S. Agrachev, on April 6,1954: " Investigation of the Drive of an Electro-Tractor With a Multis and Induction Motor".

Card 4/5

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826120(

Official op ononto were: "Member of the Academy VASKHUIL

105-58-4-32/37

M. 7. Yevreinov and Doctor of Technical Sciences N. V. Gorokhov.

K. Ye. Rostomyan, on April 27, 1954: "Problems of the Parallel Operation of a Rural Hydroelectric Power Station With a Large Scale Energy System on Conditions as Present in the Armenian SSR". Official opponents were: Doctor of Technical Sciences Professor D. A. Gorodskiy and Candidate of Technical Sciences Ye. L. Shats.

AVAILABLE:

Library of Congress

1. Electrical engineering-Reports

Card 5/5

KRASNOV, A. F., Cand Med Sci — (diss) "Transplantation of tendons in flaccid paralysis of the musculus quadriceps femoris." Kuybyshev, 1958.

16 pp (Min of Health RSFSR, Kuybyshev State Med Inst), 220 copies (KL, 18-58, 103)

-112-

KRASNOV, A.F.

Our modification of tendon transplantation in paralysis of the quadriceps extensor of the leg. Ortop.travm. i protez. 20 no.8: 56-59 Ag 159. (MIRA 12:11)

1. Iz ortopedicheskogo otdeleniya (zav. - prof. A.P. Yevstropov) kafedry gospital'noy khirurgii (zav. - prof. A.M. Aminev) Kuybyshevskogo meditsinskogo instituta (dir. - prof. T.Ye. Yeroshevskiy).

(LEG, muscles & tendons)

KRASNOV. A.F., kund. med. nauk (Kuybyshev obl., r/c 24. Fervyy proyezd, d.2, kv.7)

Surgical treatment of lateral distortions in the knee Joint. Vest. khir. 91 no.11:52-57 N '63. (MIRA 17:12)

l. Iz ortopedicheskogo otdeleniya gospitalinov knirurgicheskov kliniki (zav. - prof. A.M. Aminev) Kuybyshevskogo meditsinskogo instituta.

KRASNOV, A.G., aspirant

Methods for fixing transplantable tendons in paralysis of the musculus quadriceps femoris. Trudy Kuib.med.inst. 11:25-32 '60. (MIRA 15:8)

1. Iz ortopedicheskogo otdeleniya (zav. otdeleniyem prof. A.P. Yevstropov) i kafedry gospital'noy khirurgii (zav. kafedroy prof. A.M.Aminev) Kuybyshevskogo meditsinskogo instituta. (TENDONS—TRANSPLANTATION) (FEMROAL MUSCLE) (POLIOMYELITIS)

KUZNETSOV, N.D., inzh.; OBOROTISTOVA, M.L., inzh.; YEMMOIAYEV, A.U., inzh. YAGUNOV, A.A., inzh.; KRASNOV, A.I.; RYSIN, V.I., inzh.

Exchange of experience among the enterprises of economic councils. Terf. prom. 38 no.7:31-34 '61. (MIRA 14:12)

1. Syavskiy lesokhimkombinat Gor'kovskoy oblasti (for Kuznetsov). 2. Shaturskiy torfotrest Mosoblsovnarkhoza (for Obcrotistova). 3. Predpriyatiye Osintorf sovnarkhoza BSSR (for Yermolayev). 4. Monetnoys torfopredpriyatiye Sverdlovskogo sovnarkhoza (for Yagunov). 5. Makeikha-Zybinskoye predpriyatiye Yaroslavskogo sovnarkhoza (for Krasnov). 6. Torfopredpriyatiye Radovitskiy mokh Mosoblsovnarkhoza (for Rysin).

(Peat machinery)

KRASNOV, A.I.

Subject

: USSR/Electricity

AID P - 2920

Card 1/1

Pub. 26 - 17/32

Authors

Davidov, A. A. and A. I. Krasnov, Engs.

Title

Butterfly type blower for continuous blowing

Periodical

: Elek.sta,, 7, 49-51, J1 1955

Abstract

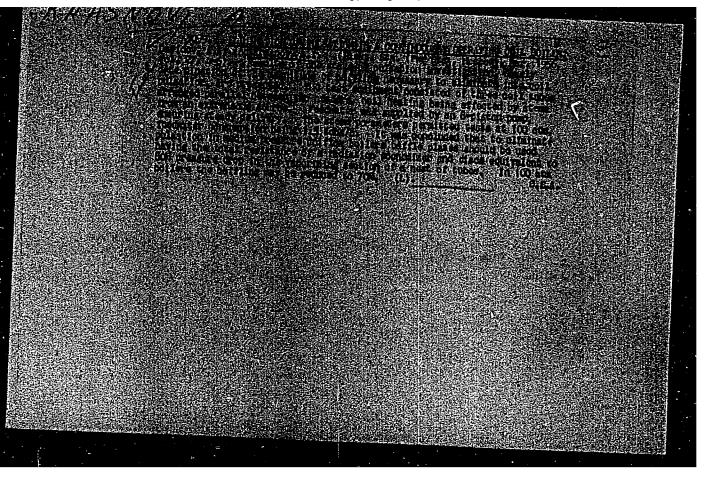
The design and construction of evaporators are explained in detail. Results of experiments made with butterfly type blowers are given in a table.

Institution:

None

Submitted : No date

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000826120



Was of breather collectors in once-through boiler manufacture.

Energomashinostroenie 4 no.2:1-5 f '58. (MIRA 11:4)

(Boilers)

KHASHOV Aleksandr Lvenovigh: KATRENKO, D.A., redsktor; NEGRIHOVSKAYA, R.A., tekhnicheskiy redsktor

[Is perpetual motion possible?] Vozmozhen li vechnyy dvigatel'?

Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 62 p. (Nauchnoprosvetitel'naia biblioteka, no.14)

(Perpetual motion)

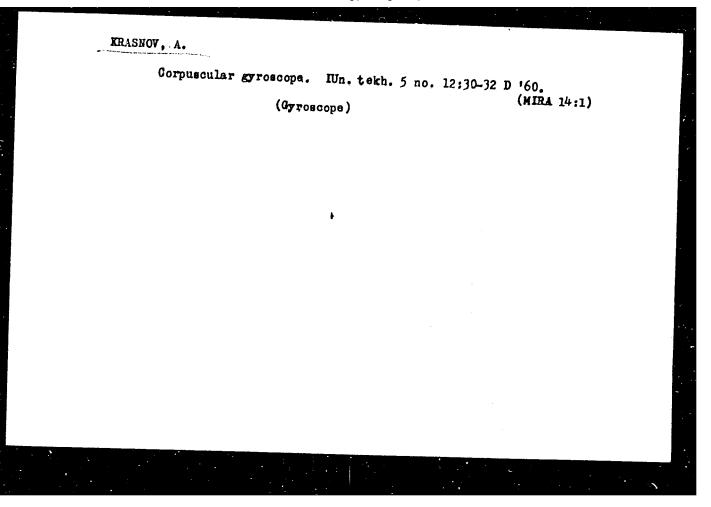
(MIRA 10:3)

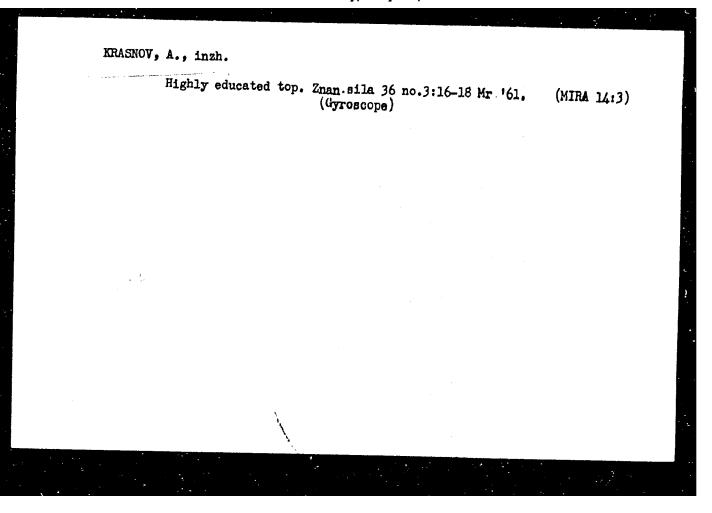
KRASHOV, Aleksandr Ivanovich; KATHENKO, D.A., red.; ERUDNO, K.F., tekhn.red.

[Gyroscope and its uses] Volchok i primenenie ego svoistv. Moskva,
Gos. izd-vo tekhniko-teoret. lit-ry, 1958. 6) p. (Neuchno-populiarnaia biblioteka, no.100)

(Gyroscope)

(MIRA 11:4)





KRASNOV, A.I.

Composition of structural and correlation schemes based on materials of large-scale aeromagnetic surveying. Vop.razved. geofiz. no.4:103-111 '64.

(MIRA 19:1)

KRASNOV, A.I.

Structure of the Aldan Shield basement in the light of the geological interpretation of the data of large-scale aeromagnetic surveying.

Sov. geol. 7 no.11:61-71 N 164. (MIRA 18:2)

1. Vsesoyuznyy institut razvedochnoy geofiziki.

KRASNOV, A.I.; OSIPOV, I.Z., redaktor; YERSHOV, P.R., redaktor; TROFINOV, A.V., tekhnicheskiy redaktor.

[Drop of gasoline] Kaplia benzina. Moskva, Gos.nauchno-tekhnicheskoe izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955. 47 p. (MIRA 8:4) (Gasoline)

KRASNOV, Aleksandr Ivanovich; KLEYMEHOVA, K.F., vedushchiy red.;
POLOSINA, A.S., tekhn.red.

[A drop of gasoline] Kaplia benzina. Izd.2., iapr. i dop.

[A drop of gasoline] Kaplia benzina. Izd.2., ispr. i dop.
Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi
lit-ry, 1959. 52 p.
(Gasoline)
(Gasoline)

KRASNOV, Aleksandr Ivanovich; FEDCHENKO, V., red.; MIKHAYLOVSKAYA, N., tekhn.red.

[Book about oil] Kniga o nefti. Moskva, Izd-vo Tsk VLKSM
"Molodaia gvardiia." 1959. 175 p.

(Petroleum)

(Petroleum)

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KRASNOV, A.I.

Genetic features of uranium mineralization in Mesozoic clay shales. Vop.rud.geofiz. no.3:60-67 *61. (MIRA 15:8) (Uranium ores) (Prospecting-Geophysical methods)

5/169/62/000/008/001/090 E202/E192

Krasnov, A.I., and Mukareva, G.B. AUTHORS:

The age of thorite from the Ulkan intrusive massif TITLE:

(south eastern perimeter of the Aldan shield)

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 8, abstract 8 A 39. (In the Symposium: "Vopr. rudn.

geofiz." no.3, M., Gosgeoltekhizdat, 1961, 95-98).

The data for the determination of the absolute age of thorite present in the form of fine impregnations and streaks in the granites of the Ulkan massif are given. The thorite was formed during the final stages of the post-volcanic process connected with the formation of the Ulkan massif. The content of thorium (21.3 \pm 2%), radium (1257 \times 10-10 \pm 2%) and vanadium calculated from radium (0.37 \pm 2%) was determined radiochemically. The content of lead was 0.100%. The age calculation was determined from the total lead, assuming that the latter was entirely of radiogenic character. The authors confirmed that the error of these determinations may vary within the intervals of 3%. In this way the age of thorite can be determined as $(104 \pm 5) \times 10^6$ yrs. Card 1/2

The age of thorite from the Ulkan... 5/169/62/000/008/001/090 E202/E192

The isotopic analysis of the lead isolated from the thorite was also carried out, but pb204 was not determined. The correction for the non-radiogenic lead was introduced on the basis of the data about the mean isotopic composition of the gallenites of the Alpine epoch, the values of age obtained from the gross Pb content and $\sqrt{235}$ in the sample. Taking into consideration the correction, the age calculated according to the formula was 85×10^6 yrs. Nomograms of Melent'yev for the above data give a value of 95×10^6 yrs. The authors take as most probable the figure of 90 \times 106 yrs. thorite the most probable age should be given as that calculated from pb208. According to Melent'yev nomograms, this figure should read 96 x 106 yrs.

Abstractor's note: Complete translation.

Card 2/2

FRACNOV, A.K., assistent

Hyaline membranes in the lungs of newborn infants. Sbor. nauch. trud. lvan. ges. med. inst. no. 28:61-68 * 63 (MIRA 19:1)

1. It kafedry sudstroy meditsiny (zav. - dotsent S.N. Bakulev) i kafedry patel gicheskoy anatomii (zav. - dotsent O.N. New chayava) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

KRASHOV, A.K., assistent; SERZHANTOV, V.S., student

Characteristics of medicolegal expertise on the carcasses of fetuses and newborn infants. Sbor. nauch. trud. Ivan. gos. med. inst. no. 28:213-220 * 63.

1. Iz kafedry sudetnoy meditsiny (zav. kafedroy - dotsent S.N. Bakuley) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

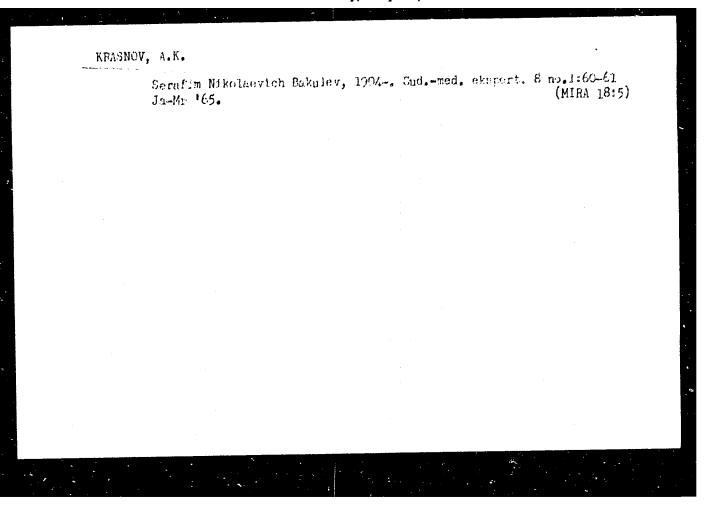
YEFIMOV, Yu.P.; KRASNOV, A.K.

Expertise on self-strangulation. Sud.-med.ekspert. 6 no.1:52-53 Ja-Mr *63. (MIRA 16:2)

1. Byuro sudebnomeditsinskoy ekspertizy (nachal'nik - dotsent S.N. Bakulev) Ivanovskogo oblastnogo otdela zdravookhraneniya. (MEDICAL JURISPRUDENCE) (STRANGLING)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000826120



USSR / Farm Animals. Wild Animals.

Q-4

Abs Jour : Ref hur - Biol., No 10, 1958, No 45246

: Perel'dik, N. Sh.; Argutinskaya, S. V.; Krasnov, A. M.; Author

: The Feeding of Fur-Bearing Animals with Acid-Preserved Fish Bobrov, Ye. P.

Title

Feeds.

Orig Pub : Karakulevodstvo i zverovodstvo, 1957, No. 4, 33-38

Abstract : In two experiments in feeding fish to young foxes and mink,

carried out from both the scientific and economic viewpoint, it was established that fish preserved by sulfuric acid and neutralized by chalk can be fed to the pup foxes up to 45%, and to the young mink up to 30%, of the total nutritiousness of the aggregate group of the meat-fish feeds, without harm to the health of the animals and detriment to the quality

of their fur. The fish and fish waste preserved by formic

card 1/2

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000826120(

USSR / Farm Animals. Wild Animals.

Q-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45246

Abstract : acid can be fed to the animals, without its neutralization

by chalk, up to the amount of 30 percent of the meat-fish

group of feeds.

Card 2/2

L 46660-66 EWP(e)/EWT(m)/EWP(w)/T/EWP(t)/ETI/EWP(k) IJP(c) JD
ACC NR: AP6009568 (N) SOURCE CODE: UR/0226/65/000/011/0001/0008

AUTHOR: Sleptsova, N. P.; Krasnov, A. N.; Ivashchenko, V. V.

ORG: Institute for the Study of Materials, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR); Kiev Polytechnic Institute (Kiyevskiy ordena Lenina politekhnicheskiy institut)

TITLE: Production and properties of spherical-particle copper powders and copper-powder products

SOURCE: Poroshkovaya metallurgiya, no. 11, 1965, 1-8

TOPIC TAGS: spheric metal powder, copper, powder metal production, powder metal compaction

ABSTRACT: Copper powders obtained by the method of plasma-jet atomization as well as by the method of the spheroidization of nonspherical powder particles through fusion in an inert filler have particles of a more uniformly spherical shape and cleaner and smoother surface than the powders produced by the air- or water-atomization methods. The plasma-jet atomization method moreover makes it possible to utilize copper-wire wastes for the production of spherical-particle powder. This method yields a high percentage of spherical particles and

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ACC NR: AP6009568

can be adjusted to obtain the desired quantitative yield of specific particle sizes. As for the method of fusion in an inert filler (mixing of reduced Cu powder with CaCO₃ and heating of the mixture to 1200°C), it produces a 100% yield of spherical particles of a nearly uniform size. An investigation of the process of powder-metal forming utilizing spherical particles of this kind has shown that pressing results in products of the desired porosity, but involves deformation of particles. For freely poured powder residual porosity is 40-50%. Vibration compacting serves to reduce porosity to 35% and is particularly effective in the fabrication of thin-walled intricate shapes. The vibration compacting of different particle sizes involves different regimes of frequency and amplitude. The process of vibration compacting may be intensified by applying small static loads. An investigation of the materials obtained by sintering powders at 1000°C following the addition of 0.3% phosphorus has shown that their strength characteristics are independent of the method of powder production (plasma-jet atomization or fusion in inert filler). Bending strength was found to be dependent on particle size, increasing from 35 to 55 kg/mm² with decrease in particle size from 0.3 to 0.05 mm. Orig. art. has: 5 figures and 5 tables.

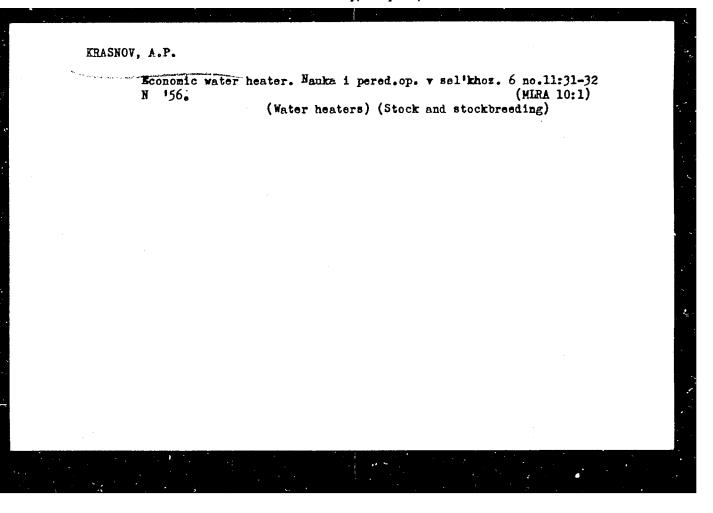
SUB CODE: 11, 13/ SUBM DATE: 08May65/ ORIG REF: 011/ OTH REF: 001

Card 2/2 egh

KRASHOV Andrey Nikolayevich; MIL'KOVA, F.N., professor, redaktor; MUMKES, S.N., redaktor; MOGINA, N.I., tekhnicheskiy redaktor

[In Asia's tropics] Pod tropikami Azii. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 263 p. (MIRA 9:12)

(Asia--Description and travel)



ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; MOKOLOV, V.M.; FUKS, Yu.B.

Time length of holding large castings in the mold. Trudy Khim.—
met.inst.Sib.otd.AN SSSR no.14:139-145 160. (MIRA 14:10)
(Founding)

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; SOKOLOV, V.M.; FUKS, Yu.B.

Forced cooling of large castings. Trudy Khim.-met.inst.Sib.otd.AN SSSR no.14:147-151 '60. (MIRA 14:10)

(Founding) (Thermal stresses)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000826120

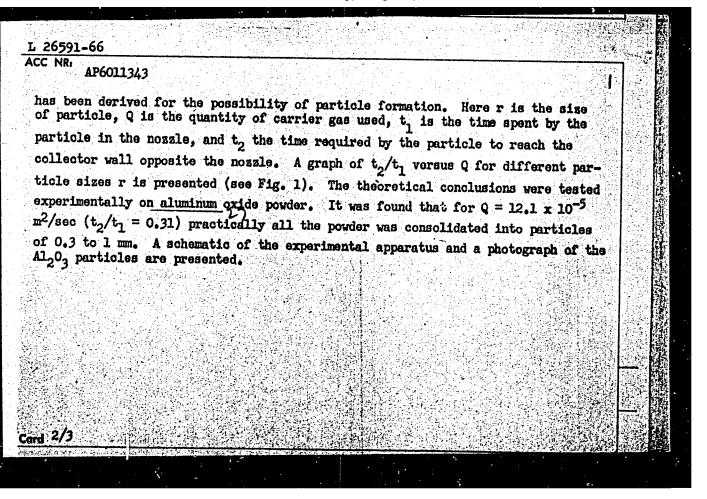
EWT(1)/EWP(e)/EWT(m)/EWP(t)/ETI/EWP(k) IJP(c) ACC NRL. SOURCE CODE: UR/0226/66/000/002/001/0005 AP6007280 (A) Krasnov, A. N. AUTHOR: ORG: Institute of Material Study Problems, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR) Plasma atomization of tungsten, TITLE: Poroshkoveys metallurgiys, no. 2, 1966, 1-5 SOURCE: TOPIC TAGS: tungsten, powder metallurgy, particle size, granule formation, atomization, plasma flow, plasma device ABSTRACT: Conditions for the preparation of different shaped tungsten powder particles by the plasma stream method and the effect of varying operating conditions on the granulometric structure of the powders were determined. The powder particles became more spherical as the distance between the jet and the surface of the cooling medium is increased. Spherical and "sombrero" shaped particles (50-1000 mkm diameter) were obtained when water was used as a coolant; but, the latter were not obtainable with oil as coolant, shapeless beads being formed instead. As current strongth and arc gap were increased the amount of course powder increased and the range of the particle size distribution widened. Card 1/2

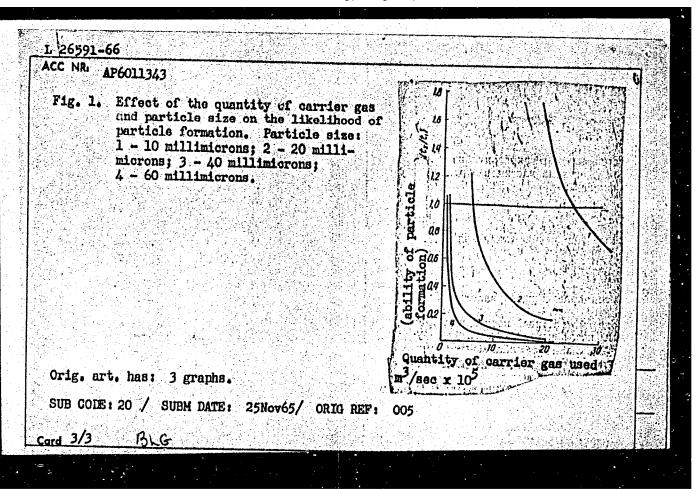
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As the delivory of plasma-forming ges and rate of material input into the stream increased to 2.16 m²/min and 2.2 m/min, respectively, the pulverizing effect increased—the maximum on the course particle size distribution curve shifted rapidly toward fine fractions and the distribution renge was narrowed. Further increases in the delivery and feed rates resulted in a reverse shift of the maximum in the direction of coarse fractions. Orig. art. has: 4 flgures and 3 tables. SUB CODE: 11, 13/ SUBM DATE: O4Apr65/ ORIG REF: 002/ OTH REF: 002		L 44017-66 ACC NR: AP6007280	0
	1	the stream increased to 2.16 m ² /min and 2.2 m/min, respectively, the pulverizing effact increased—the maximum on the course particle size listribution curve shifted rapidly toward fine fractions and the listribution range was narrowed. Further increases in the delivery a lead rates resulted in a reverse shift of the maximum in the directic	nd
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CC NR. AP6011343	IJF(c) JD/JH SOURCE CODE: UR/0226/66/000/003/0001/0006
AUTHORS: Sharivker, S. Yu.; K	rasnov, A. N.
ORG: Institute for Materials materialovedeniya AN UkrSSR)	Behavior Problems, AN UkrSSR (Institut problem \$\beta\$
불명화 경기 불어 없이 그는 그리고 살려면 되었다. 그리는 [2]	ng large spherical particles by introducing a fine direction perpendicular to the latter
SOURCE: Poroshkovaya metallur	giya, no. 3, 1966, 1-6
OPIC TAGS: plasma, plasma be	am, plasma jet, ideal fluid, aliminim ovida
erticles by directing a stream to the latter is meanted.	tigation of the mechanism of forming large spherical n of fine powder into a plasma jet at right angles
nimicheskikh reakteir w minter	by Yu. L. Khait (Sb. Kinetika i termodinamika temperaturnoy plazme, Izd-vo Nauka, M., 1965, 167), ty of ideal liquids. The equation
No.	$\frac{I_1}{I_1} = -1.8 \lg \left(1 - \frac{0.00385}{r^2 Q}\right)$
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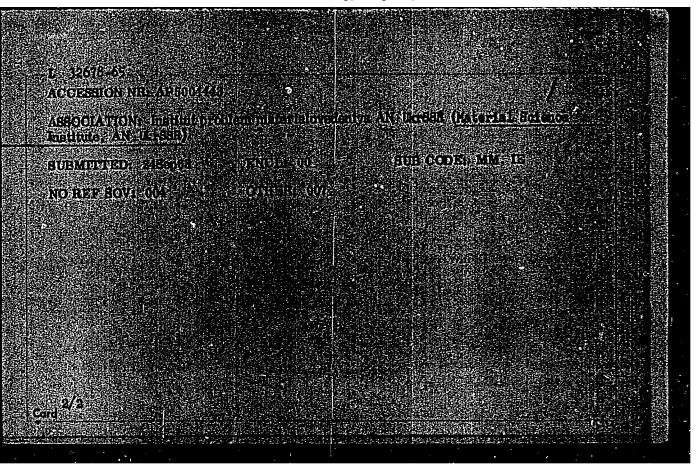
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SLEPTSOVA. N.P.; KRASNOV, A.N.; IVASHCHENKO, V.V.

Preparation and properties of spherical copper powders and products made from them. Porosh.met. 5 no.11:1-8 N 165.

(MIRA 18:12)

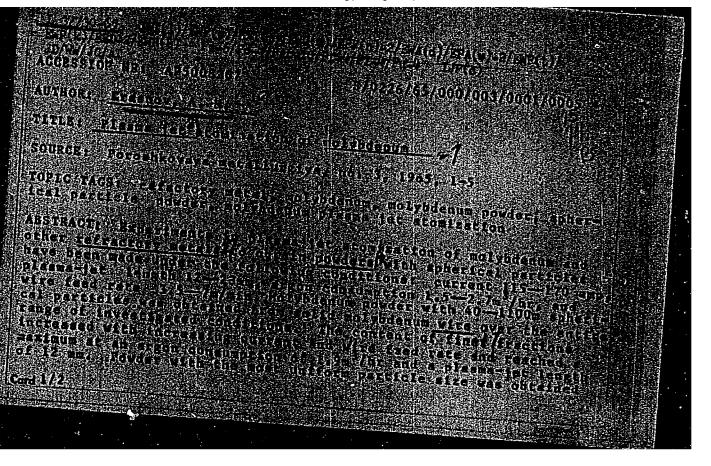
1. Institut problem materialovedeniya AN UkrSSR i Kiyevskiy ordena Lenina politekhnicheskiy institut. Submitted May 8, 1965.

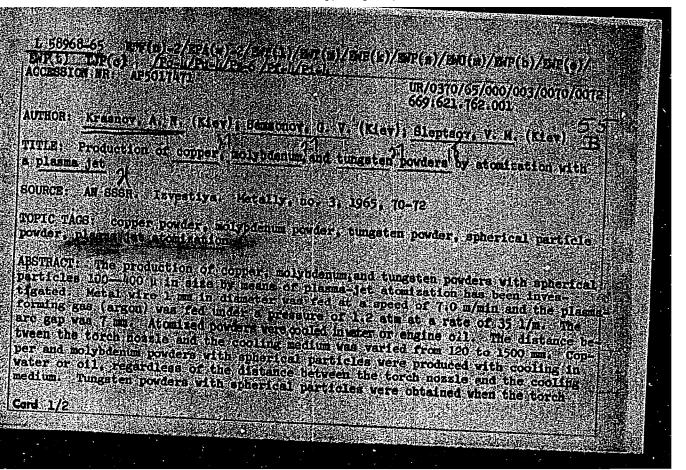
BURYKINA, A.L.; KRASNOV, A.N.; YEVTUSHOK, T.M.

Plasma and diffusion coatings on graphite. Ferosh.net. 5 no.12:38-44 D *65. (MIRA 19:1)

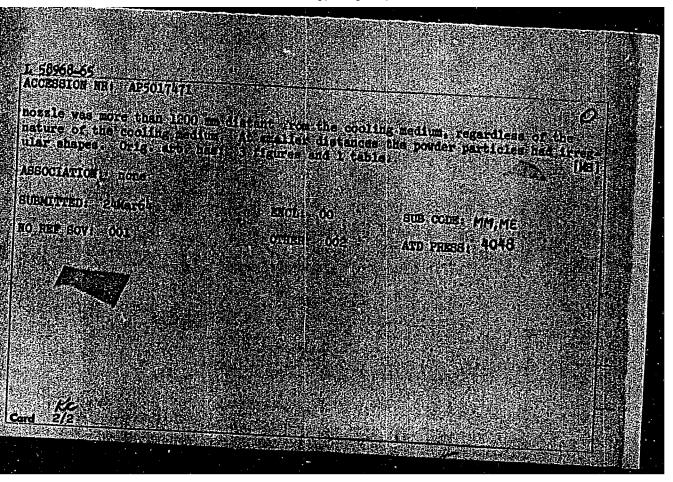
1. Institut problem materialovedentya AN UkrSSR. Substitted March 29, 1965.

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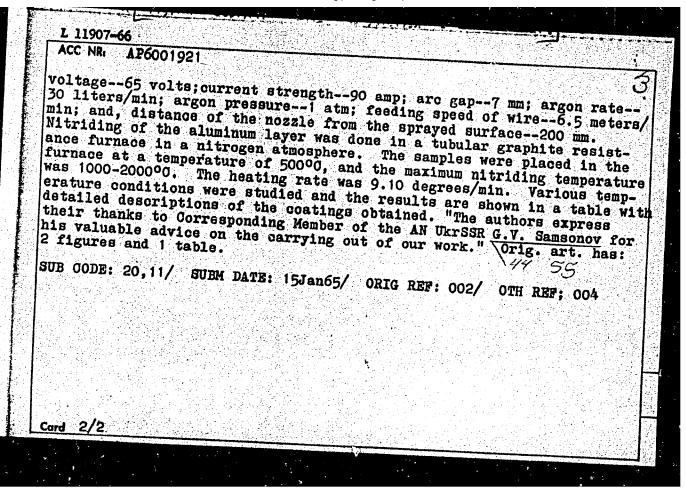




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L 11907-66 EWT (d)/EWP (e)/EWT (m)/ETC(F)/EWG(m)/EWP(v)/T/EWP(t)/EWP(t) ACC NR AP6001921 EMP(h)/EMP(b)/EMP(1)/ ETC(m) UR/0294/65/003/006/0940/0942 IJP(c) JD/WW/JG/AT/WH AUTHOR: Burykina, A.L.; Dubovik, Yevtushok. ORG: Institute for the Study of Materials AN UKTSSR (Institut problem Krasnoy. materialovedeniya Akademii nauk UkrSSR) TITLE: Aluminum nitride coatings on graphite SOURCE: Teplofizika vysokikh temperatur, v.3, no.6, 1965, 940-942 TOPIC TAGS: metal coating, aluminum nitride, graphite ABSTRACT: The article studies the possibility of obtaining aluminum nitride coatings bn graphite by the method of flame spraying of the aluminum with subsequent nitriding of the metallic layer. The spraying of the spraying was carried out in a standard UPU-2M plasma unit using a wire as an open electrode. The plasma jet melts the metal which is deposited on the surface of an article placed in its zone; the thickness of the coating depends linearly on the time of the process. The plasma-forming gas was argon and the anode was an AV-200 aluminum wire with a diameter of 2 mm. Studies were made of the effect of current strength, the size of the arc gap, and the consumption and pressure of the plasma-forming gas on the density of the sprayed layer and the strength of its bond with the graphite. The following parameters were found to be optimum: X Drianal Journal Stoice UDO: 546.171:546.621



SAMSONOV, G. V.; SLEPTSOV, V. M.; KRASNOV, A. N.; PRSHEDROMIRSKAYA, Ye. M.

"Methoden zur erzeugung kugeliger teilehen hochschmelzender metalle under verbindungen."
report submitted for 3rd Intl Conf on Powder Metallurgy, Eisenach, E. Germany, 13-15
May 1965.
Kiev, UkSSR.

KRASNOV, A.N., inzh.; SLEPTSOV, V.M., inzh.

Plasma coating of high-melting alloys. Mashinostroenie no.4:87-89
Jl-Ag *65.

(MIRA 18:8)

L 11624-66 Bar(a)/Bar(a)/Erc(r)/Err(n)-2/Bag(a)/Bar(d)/r/Sar(t)/Bar(a)/BarAP6001472 EMP(b)/EMA(c) LJP(c) SOURCE CODE: UR/0226/65/000/012/0039/0044 JD/WW/JO/AT/WH AUTHOR: Krasnov, Yevtushok ORG: Institute of the Problems of the Science of Materials AN UkrSSR (Institute materialovedeniya AN UkrSSR) TITLE: Plasma-sprayed diffusion coatings on graphit SOURCE: Poroshkovaya metallurgiya, no. 12, 1965, 39-44 TOPIC TACS: graphite, metal coating, plasma sprayed coating, diffusion coating, copper coating, aluminum coating, niobium coating, tungsten coating ABSTRACT; Plasma coating of graphite with copper, aluminum, Nichrome, molybdenum, tungsten, and silicon by spraying or vacuum diffusion has been investigated, and the effect of various technological parameters on the structure of the obtained coatings has been determined. In plasma spraying, adhesion of the metal layer to graphite was found to result from imbedding of metal particles into the graphite surface. The coatings had a 10-14% porosity and were readily machinable. Multilayer coatings (Ni-A1, A1-Cu-Ni, brass-A1, Cu-Ni, A1-Ho, A1-W) were also obtained by plasma arc spraying. Diffusion coatings were produced by pack cementation in a vacuum of 0.133-0.0133 n/m² at a temperature 50-100C higher than the melting temperature of the metal and holding time of 5-7 min. The densest, most strongly adhering coatings were obtained on the least porous graphite. After annealing at 1500C for 1 hr, titanium coating had a two-layer structure: an' inner layer of

L 11624-66 ACC NR: AP6001472 titanium carbide containing about 11% C, and an external layer consisting of a solid solution of carbon in titanium. With increasing annealing time to two hours, the external layer was transformed to titanium carbide of stoichiometric composition (20.01% C). A zirconium chating, up to 50 µm thick, obtained by cementation at 1950C, was transformed into a single-phase zirconium-carbide coating by annealing at 1800C for 2 hr. The niobium doating had a two-phase structure: niobium carbide (Nb₂C) with a hardness of 2263 dan/mm², and a solid solution of carbon in nicbium with a hardness of 282 dan/mm2, Diffusion annealing at 1700-1900c gradually transformed the solid solution to carbide and increased the concentration of carbon in the remaining solid-solution layer. Dense, strongly adhering, silicon-carbide? coatings 200-250 µm thick were obtained by cementation for 1.5 hr in a hydrogen atmosphere at 1600C followed by annealing at 2200C or 2300C (to transform β-SiC to α-SiC) for 1.5 hr. Coatings on denser graphite had a microhardness of 3300 ±120 dan/mm², and 33190 ±100 dan/mm² on a less dense graphite after annealing at 2200C. The corresponding figures for coatings annealed at 2300C were 4120 ±207 and 3865 ±202 dan/mm². Orig. art. bas: 3 figures and 3 tables. SUB CODE: 11, 13/ SUBM DATE: 29Mar65/ ORIG REF: 003/ OTH REF: 002/ ATD PRESS:

KRASNOV, A.N.; SLEPTSOV, V.M.

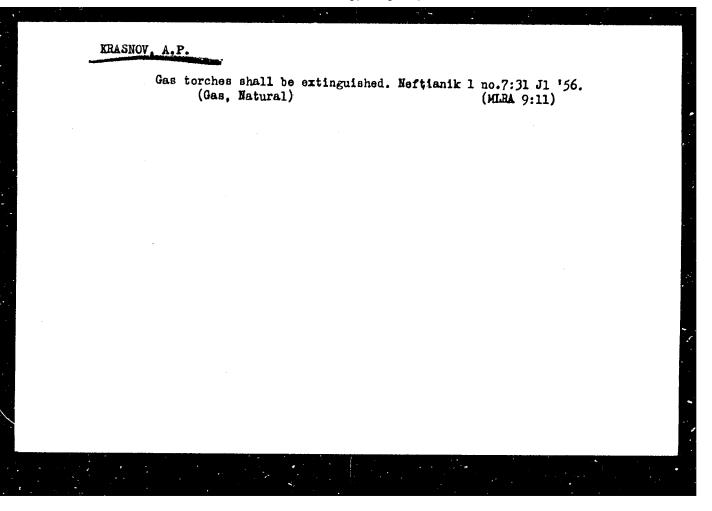
Arc plasma in the metallurgy of ceramic metals. Pcrosh. met. 5 no.1:79 Ja 165. (MIRA 18:10)

1. Institut problem materialovedeniya AN UkrS3R.

KRASNOV, A.P., inzh.-ekonomist

Al'met'yevek in the sixth five-year plan. Neftianik 1 no.6:33-34
Je '56. (MIRA 10:12)

(Al'met'yevek--Petroleum industry)



In a new oil field. Neftianik 1 no.8:32 Ag '56. (HLRA 9:11)

(Al'met'yevo--Oil fields)

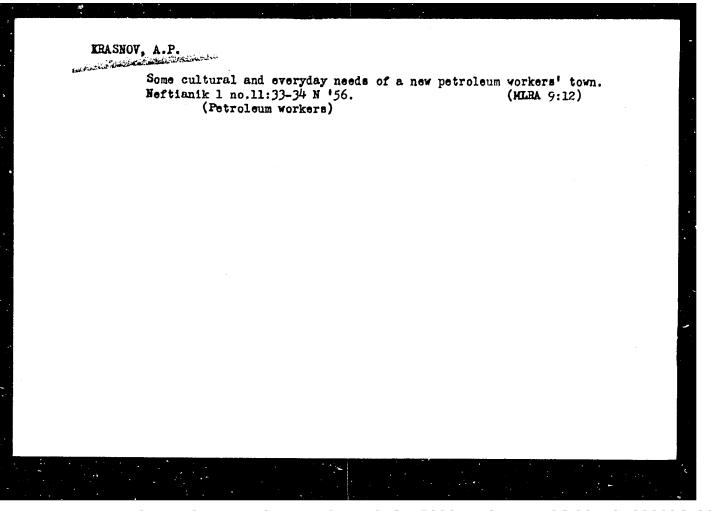
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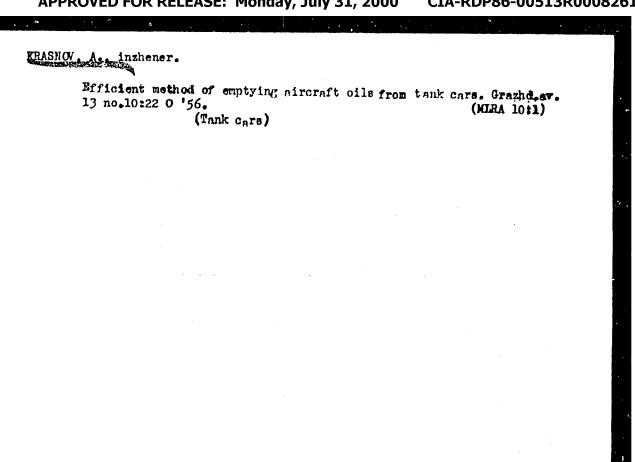
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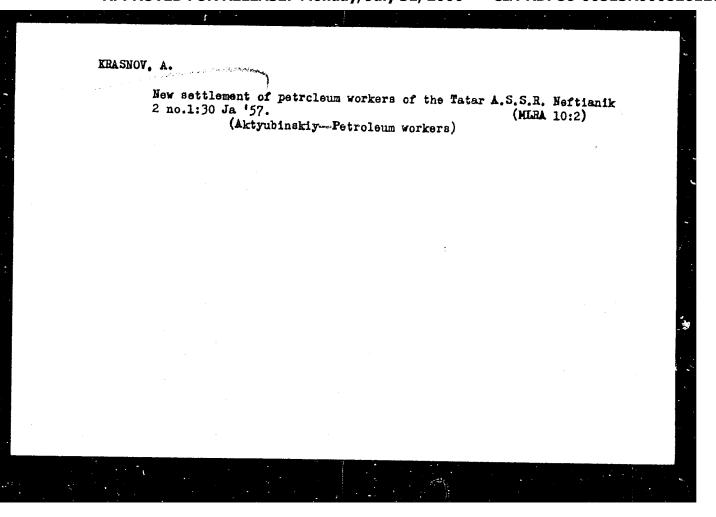
The first completed section of the sixth five-year plan.

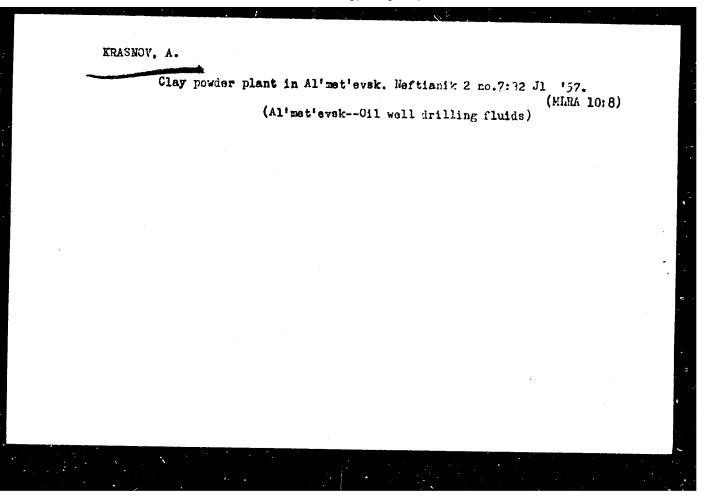
Noftianik 1 no.8:34 Ag '56. (MLRA 9:11)

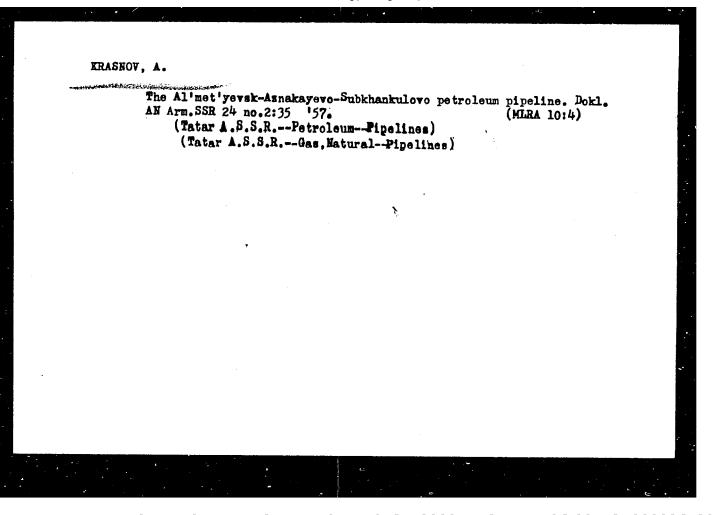
(Al'met'yevo--Petroleum--Pipelines)











11(2)

500/92-58-11-33/36

AUTHOR:

A. Krasnov

TITLE:

Gas Flares Are Dying Off (Gasnut gazovyye fakela)

PERIODICAL: Neftyanik, 1958, Nr 11, 32 (USSR)

ABSTRACT:

The author states that two years ago oil well gas, which is a valuable fuel and raw material for the chemical industry, was still flared in the Al'met'yevsk region. Since then, the situation has changed and this gas is now brought by the Mannibayevo-Kazan' gas line to industrial and residential buildings of the Tatar Republic. The construction of the Kazan'-Gorkiy gas line is now finished, and gas is supplied to the largest industrial center of the Volga region. The construction of the gas gathering network near Al'met'yevsk is also completed, and a number of towns will soon receive gas. The second set of units at the Mannibayevo natural gasoline plant is under construction. This plant will soon yield raw material to be used in synthetics production.

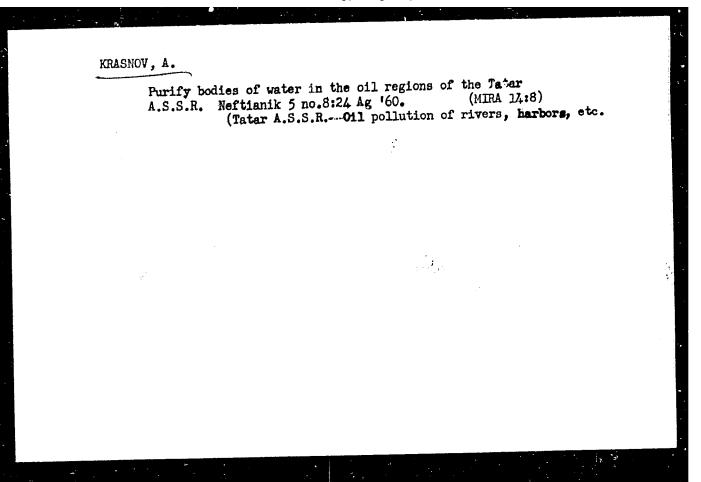
Card 1/1

KRASNOV, A.

Production standards survey. Sov.profsoiuzy 7 no.20:48 0 '59. (MIRA 12:12)

1. Predsedatel postroykoma 5-go stroyrayona tresta "Alimetiyevneftestroy."
(0il well drilling--Technological innovations)

Priority of Bussian specialists ("Fedor Priadunov and his petroleum plant" by K.Kostrin). MFO 2 no.11:59 N '60. (Withta--Petroleum industry) (Kostrin, K.)



Meeded automation of oil storage. NTO 3 no. 1:10-11 Ja '61.

(Oil storage) (Automation)

(Oil storage) (Automation)

KRASNOV, A.; BERENSON, S.

Sand improves lubrication. Tekh. mol. 29 no.12:17 '61.

(MIRA 15:1)

(Inbrication and lubricants)

SOURCE CODE: UR/0191/66/000/008/0056/0058 ww/RM IJP(c) ENT(m)/EWP(j)/T 127003<u>-66</u> Korshak, V. V.; Slonimskiv. G. L.; Vinogradova, S. V.; Gribova, I. A.; ACC NRI A.; Krasnov, A. P.; Chumayavskaya, A. N.; Moldabayeva, H. K. AUTHORI Askadskiy. TITLE: Effect of fillers on the properties of compositions based on heat-resistant polymors SOURCE: Plasticheskiye massy, no. 8, 1966, 56-58 TOPIC TAGS: filler, polymor physical property, impact strength, hardness ABSTRACT: The effect of fillers (powdered copper and aluminum, tale, quartz, graphite and boron nitrido added in amounts of 20, 40, 60, 80 and 90 wt. (2) on the specific impact strongth and hardness of compositions based on F-1 polyarylato (prepared from phonolphthaloin and isophthalic acid) and FF-40 phonolphthaloin-formaldehyde regin was studied. The compositions based on F-1 showed a decrease in impact strength with increasing content of all fillers, probably because the filler particles hinder the devolopment of fibrillar superstructures and make the polymer structure inhomogeneous, thus impairing its proporties. The specific impact strongth of specimens based on FF-40 was higher for all fillers than that of the original specimens, the metal powders having a greator effect than the mineral fillers. The hardness curves for F-1 showed maxima in the case of the metal powders, quartz, and boron nitride; the existence of UDC: 678.6.01:536.495]:678.046.2/.3 Cord .1/2

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WW/RM EWT(m)/EWP(J)/T IJP(c) SOURCE CODE: UR/0190/66/008/006/1109/1112 1,01040-67 ACC NR: AP6019546 AUTHOR: Slonimskiy, G. L.; Askadskiy, A. A.; Korshak, V. V.; Vinogradova, S. Gribova, I. A.; Chumayevskaya, A. N.; Krasnov, A. P.; Moldabayeva, M. K. ORG: Institute of Organoelemental Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR) TITLE: Investigation of the relaxation properties of filled polyarylates SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 6, 1966, 1109-1112 TOPIC TAGS: solid mechanical property, polymer rheology, polyaryl plastic, synthetic material, POLYARYLATE, FILLER ABSTRACT: Relaxation properties of commercial F-1 polyarylate filled with copper powder (0-80 wt %) were examined in the 140°-250°C temperature range and in the 50-600 kg/cm² load range. The object of the study was to fill the gap in the pertinent literature. The temperature dependence of the relaxation time for F-1 polyarylates with various copper contents is graphed. It was found that in up to 40 wt & copper, the overall activation energy of the relaxation of the copper filled F-1 polyarylate declines (in comparison to the unfilled F-1 polyarylate) with increasing copper content. For the 40-80 wt % copper range, the overall activation energy of relaxation increases with increasing copper content. Changes in the activation energy of relaxation as a UDC: 678.01:53+678.674 Card 1/2

"APPROVED FOR RELEASE: Monday, July 31, 2000

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BRASLAVSKIY, Aleksamir Petrovicto SHIRGINA, Klavdija Burlsovnaj Prinimali urnostijes KAFITALOVA, E.P., NIPGALINEV, S.N.; CHURAYEV, V.F.; KOROTKIKH G.V., KRASHOV, B.A., KOVALEVA, I.F.; red.

[Water lenses by ever relich file reservoirs of the arid zone of Kazekhstan, based on the example of the Kengir Reservoir] Fiteri vidi va imparente to vidikhranilishih zasushlivci zony Kazakhstana na primere Kengirskog, vodekhranilisheba. Alma-Ata, Kajka, 1965. (MIRA 16:10)